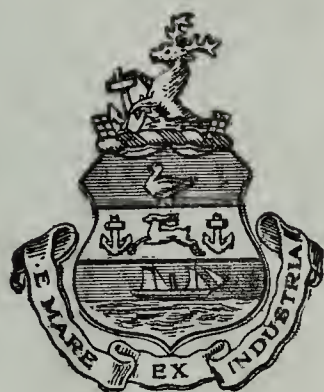


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County Borough of West Hartlepool.



# ANNUAL REPORT

upon the

## Health of West Hartlepool

FOR THE YEAR 1934,

BY

JOHN W. McKEGGIE,

M.B., Ch.B., D.P.H.,

MEDICAL OFFICER OF HEALTH,

TUBERCULOSIS OFFICER,

SCHOOL MEDICAL OFFICER.



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# REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1934.

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PUBLIC HEALTH DEPARTMENT,  
MUNICIPAL BUILDINGS,  
WEST HARTLEPOOL,  
MAY, 1935.

TO THE MAYOR, ALDERMEN AND COUNCILLORS OF THE  
COUNTY BOROUGH OF WEST HARTLEPOOL.

I have the honour to submit my Fifth Annual Report on the health of the County Borough of West Hartlepool.

The Report for this year deals with statistics and health matters occurring in 1934 only, and is not in the nature of a review of the health services, which takes place five-yearly.

The outstanding feature of public health interest was an epidemic of scarlet fever, which reached a maximum in December. The total number of cases exceeds all figures for the previous fifteen years, and we have to go back another sixteen years to get a similar period.

This epidemic seems to have been the worst ever encountered since records were kept, as it will be found that although the maximum was reached in December the decline was extremely slow, and ran well into 1935, so that at the end of 1935 we will have a figure for two consecutive years never reached before.

The disease was mild in type and followed the lines reported in the epidemics I have quoted above, 1919 and 1903.

Concurrent with this epidemic we had an increase in the numbers of diphtheria cases notified, and unfortunately this disease has assumed a very severe form.

Pneumonia, which for the last year or two has shown a decrease, recurred in about the same number of cases, but the death rate was slightly increased.

Cancer deaths this year showed an increase, and the figure for cancer deaths is second only to that for heart disease in point of view of frequency as a cause of death.

The vital statistics as a whole are satisfactory. They show a decline in the Death Rate, and a slight increase in the Birth Rate, the first arrest of the downward trend in many years. The Marriage Rate is higher, and the Infantile Mortality Rate—a figure which shows us a good reflex of our social conditions, is substantially lower than last year.

I have pleasure in commending the report to your earnest perusal, and wish to take this opportunity of thanking the members of the Council for their real interest in health matters concerning the borough, and I should also like to thank the members of my staff for their help during the year, and for the amount of their personal time given freely on many occasions during the year.

I am,  
Your obedient Servant,

J. W. McKEGGIE,  
Medical Officer of Health.

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---

#### STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	...	...	...	...	4,473
Population (Census 1931)	...	...	...	...	...	...	68,134
Population (Registrar-General's Estimate, 1934)	...	...	...	...	...	...	71,550

(The calculations in this Report are based on the latter figure).

Number of Inhabited Houses on 31st December, 1934,

according to Rate Books	...	...	...	...	17,130
Rateable Value (1st April, 1934)	...	...	...	...	£339,361
Sum represented by a Penny Rate	...	...	...	...	£1,295
Birth Rate	...	...	18·96		
Death Rate	...	...	12·2	(Crude Death Rate—see below).	
Infantile Mortality Rate	...	6·7			
Death Rate as requested by Ministry of Health	12·2	by 1·11	= 13·54		

#### SOCIAL CONDITIONS.

No material difference has occurred in the social conditions of the town, affecting the health of the people.



## EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	Total	Male	Female	
Live Births—				
Legitimate	... 1302 ...	661 ...	641 ...	} Birth Rate per 1,000 of the estimated resident population—18·96.
Illegitimate	... 55 ...	32 ...	23 ...	

Stillbirths 52. Rate per 1,000 total births 38·3.

Deaths 873. Death Rate per 1,000 of the estimated resident population—  
Crude Rate 12·2.

Standard Rate as requested 13·54.

Deaths from puerperal causes—

From Sepsis	... ..	3
From other causes	... ..	5
		—
Total		8
		—

Death Rate of Infants under one year of age:—

All infants per 1,000 live births—

Legitimate—60·4. Illegitimate—7·4. Total—67·8.

Deaths from Measles (all ages)	... ..	6
Deaths from Whooping Cough (all ages)	... ..	1
Deaths from Diarrhoea (under two years of age)	... ..	7

### HEALTH COMMITTEE, 1933-34.

Chairman—

Councillor E. BLOOM.

Vice-Chairman—

Councillor T. GREEN.

Members—

THE MAYOR (COUNCILLOR H. L. HOGG).

Alderman T. CLARKSON, J.P.

Alderman G. E. HOPE.

Alderman A. HYDE.

Alderman H. MASON.

Councillor J. W. CAMERON.

Councillor T. CARNEY.

Councillor J. H. FARMER.

Councillor W. T. POTTER.

Councillor J. W. RICHARDSON.

Councillor MRS. J. WILSON.

## PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

## PUBLIC HEALTH STAFF.

Medical Officer of Health, School Medical Officer, etc.—

\*J. W. McKEGGIE, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health—

\*J. A. DUNLOP, M.B., Ch.B., D.P.H.

Assistant Medical Officer of Health—

\*1JANE A. D. MACLEAN, M.D., D.P.H.

\*2KATHARINE D. MACFARLANE, M.B., Ch.B.

Consultant Surgeon, Grantully Maternity Home—

\*A. V. MACGREGOR, M.D., F.R.C.S.

Ophthalmic Surgeon (part-time)—

\*F. S. HUBBERSTY, M.R.C.S., L.R.C.P., F.R.C.S.

Aural Surgeon (part-time)—

\*R. M. MARSHALL, M.B., Ch.B., F.R.C.S.

School Dentist (part-time)—

\*3E. W. MANNERS, L.D.S. (Dunelm).

(full-time)—

\*4J. R. TOLLER, L.D.S., R.C.S. (England).

Veterinary Surgeon (part-time)—

H. HICKS, M.R.C.V.S.

Sanitary Inspectors and Inspectors under the Food and Drugs Acts—

J. T. DURKIN, C.R.S.I.

H. V. ROBINSON, C.R.S.I.

5H. WILSON.

6H. DURKIN.

Health Visitors—

\*MISS E. WILKINSON (Gen. Trained, Cert. Midwife, H.V. Cert.)

\*MISS M. WILKINSON do.

\*MISS E. PEACOCK do.

\*MISS A. S. BAGSHAW do.

\*7MISS E. HUMPHRIES do.

\*8MISS S. E. BURNETT do.

\*MISS A. G. TODD (Gen. and Fever Trained, Certified Midwife,  
H.V. Certificate).

Matron, Grantully Maternity Home—

MISS J. WIGHT (General Trained, Certified Midwife).

Matron, Isolation Hospital—

MRS. A. JONES (General and Fever Trained).

School Nurses—

\*MISS E. SMITH (Gen. Trained, Certified Midwife, H.V. Cert.).

\*MISS H. DAVIES (General Trained, Certified Midwife).

## Clerks—

A. TRENHOLM.  
 MISS H. A. RIGBY.  
 MISS M. A. PROUD.  
 MISS L. JARROLD.  
 9F. AIKEN.

## Apprentice Sanitary Inspectors—

R. E. V. WARRAND.  
 W. RODGERS.

## Superintendent, Public Abattoir—

H. J. STOTT.

## Public Analyst (part-time).

C. J. H. STOCK, B.Sc., F.I.C.

## Venereal Diseases Attendant—

B. R. PEARSON.

## Employed for Disinfecting, etc.—

J. ALLEN.  
 T. HODGSON.

## HOWBECK INFIRMARY.

## Senior Medical Officer—

H. M. MACGILL, M.D., C.M.

## Surgeon—

A. C. AINSLEY, F.R.C.S., L.R.C.P.

## Resident Medical Officer—

MABEL G. HALL, M.B., B.Ch., B.A.O.

## District Medical Officers under the Poor Law Acts—

R. W. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.  
 A. RENNIE MUIR, M.R.C.S., L.R.C.P.

## Public Vaccinators—

R. W. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.  
 A. RENNIE MUIR, M.R.C.S., L.R.C.P.

\* Contributions to Salaries from Exchequer Grant.

1. Resigned 12th May, 1934.
2. Appointed 1st August, 1934.
3. Resigned 26th July, 1934.
4. Appointed 1st September, 1934.
5. Appointed 11th June, 1934.
6. Appointed 20th June, 1934.
7. Resigned 17th February, 1934.
8. Appointed 23rd April, 1934. Resigned 31st December, 1934.
9. Appointed 8th August, 1934.

## NURSING IN THE HOME.

The Corporation continues to make a contribution to the District Nursing Association, who employ two qualified nurses.

The Health Visitors do a certain amount of home nursing in cases of pneumonia, ophthalmia neonatorum and puerperal fever.

## MIDWIVES.

The Work of the midwives was satisfactorily carried out during the year. Thirty-two midwives notified their intention to practise in the area, and their supervision was in the hands of the Lady Assistant Medical Officer.

## POOR LAW RELIEF.

### INSTITUTIONAL RELIEF.

1. Number of persons admitted to the Public Assistance Institution during 1934:—

(a) For Medical Treatment	...	...	1217
(b) For Indoor Treatment	...	...	33

2. Number of persons in the Public Assistance Institution on 1st January, 1935 (excluding Colonists) ... .. 358

## OUT-RELIEF.

3. Number of new cases applying for out-relief only during 1934:—

(a) Men	...	...	...	2293
(b) Women	...	...	...	1882
(c) Children	...	...	...	3123

4. Number of persons receiving out-relief on 1st January, 1935:—

(a) Men	...	...	...	934
(b) Women	...	...	...	1063
(c) Children	...	...	...	1022

5. Number of cases applying for out-door medical relief only during 1934:—

(a) Men	...	...	...	221
(b) Women	...	...	...	526
(c) Children	...	...	...	1067

6. Number of persons receiving medical relief in 1st January, 1935, who are also in receipt of out-door relief as shown in paragraph 4 above—

(a) Men	...	...	...	12
(b) Women	...	...	...	22
(c) Children	...	...	...	27



## LABORATORY WORK, 1934.

## SPECIMENS EXAMINED.

Sputum	...	T.B.	+	35	}	Dispensary	48	}	277
						Doctors	229		
Swabs	...	Diphtheria	+	82	}	...	...	}	896
Urines	...	Gonococcus		5	}	...	...	}	95
Smears	...	Doctor's cases		20	}	...	...	}	175
						Total ...	...		1443

## LEGISLATION IN FORCE.

## LIST OF LOCAL ACTS, ADOPTIVE ACTS, BYELAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH.

## LOCAL ACTS:—

West Hartlepool Extension and Improvement Act, 1870.

West Hartlepool Corporation Act, 1931.

## BYELAWS AND REGULATIONS:—

Byelaws regulating:—Slaughter Houses, 1896 and 1920 ; Common Lodging Houses, 1934 ; Means of Escape in Case of Fire (Factory and Workshops), 1914 ; Sanitary Conveniences, 1909 ; Public Market, 1892 ; Tents, Vans and Sheds, 1921 ; Houses-let-in-Lodgings, 1922 ; Offensive Trades, 1917 ; Fouling of Footways by Dogs, 1930 ; Nursing Homes, 1928 ; Regulations as to New Streets and buildings, 1899.

## ADOPTIVE ACTS:—

Infectious Disease (Prevention) Act, 1890 ; Public Health Acts Amendment Act, 1890 ; Public Health Acts Amendment Act, 1907, with the exception of Sections 17, 21, 30, 31, 32, 78, 79, 80, 84, 85 and 91.

## GRANTULLY MATERNITY HOME.

## REPORT FOR THE YEAR ENDED 1934.

The figures given below relate to the work done during the year at Grantully, and the Matron and Staff are to be congratulated on yet another record year. The figure 280 births is the highest ever reached in the Home. The further figures speak volumes for the care and attention given to patients admitted to Grantully Maternity Home.

Number of Beds in the Institution—

16 Beds.

2 Isolation.

Number of Maternity cases admitted during the year ... 280

Average duration of stay—14 days.

Number of cases delivered by—

(a) Midwives ... 170

(b) Doctors ... 110

Number of cases in which medical assistance was sought by

midwives in emergency ... 39

Number of cases notified as—

(a) Puerperal fever ... —

(b) Puerperal pyrexia ... 1

Number of cases of pemphigus neonatorum ... —

Number of infants not entirely breastfed while in the Institution ... 10

Number of cases notified as Ophthalmia Neonatorum ... —

Number of Maternal Deaths ... 1

(Cause—Eclampsia).

Number of Infant Deaths—

(a) Stillborn—3 Anencephalic.

1 Prolapsed Cord.

1 Macerated Foetus.

(b) Within 10 days of birth—5 Premature Infants.

## HOWBECK INFIRMARY.

The following are details of the Maternity cases treated at Howbeck Infirmary:—

Number of Maternity Beds in the Institution ... 5

Number of Maternity cases admitted during the year ... 40

Average duration of stay ... 18 days.

Number of cases delivered by—

(a) Midwives ... 27

(b) Doctors ... 13

Number of cases in which medical assistance was sought by a

midwife in emergency ... 15

Number of cases notified as—

(a) Puerperal Fever ... —

(b) Puerperal Pyrexia ... 5

Number of cases of Pemphigus Neonatorum ... ..	—
Number of infants not entirely breastfed while in the Institution...	1
Number of cases notified as Ophthalmia Neonatorum ... ..	5
Result of Treatment—4 cured.	
1 discharged with slight blurring of both cornea	
Number of Maternal Deaths ... ..	3
Causes :—Eclampsia.	
Puerperal Peritonitis (confined before admission).	
Septicaemia following delivery of a macerated foetus before admission.	
Number of Infant Deaths—	
(a) Stillborn ... ..	7
(b) Within 10 days of birth—	
2 Premature infants.	
1 Broncho pneumonia.	

#### MATERNAL MORTALITY.

The number of mothers who died in consequence of childbirth during the year was eight.

The causes of death were—

1. Puerperal Septicaemia. Normal Delivery of Macerated Foetus.
2. Puerperal peritonitis.
3. General peritonitis. Ruptured double salpingitis. Incomplete abortion.
4. Eclampsia. Recent parturition.
5. Haemorrhage. Ectopic gestation (ruptured).
6. Eclampsia. Confinement.
7. Eclampsia.
8. Pulmonary embolism. Caesarian section.

#### INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE CHILDREN AND HOMELESS CHILDREN.

The Public Assistance Committee maintain a Home for children in Blackelock Road, and 16 boys and 16 girls are accommodated, under the care of a Lady Superintendent and two foster mothers.



During 1934, the highest number of children in residence was 22, and the lowest number 10. None of these children were chargeable to outside authorities.

### INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

During the year the numbers of mental defectives treated in the Colony at Howbeck House were as follows:—

		High Grade.		Medium Grade.		Low Grade.		Total.	
		M.	F.	M.	F.	M.	F.	M.	F.
Adults	...	—	3	—	34	7	81	7	118
Children	...	—	—	—	—	41	24	41	24

Of the above, 177 cases were treated on behalf of outside authorities.

### AMBULANCE FACILITIES.

An ambulance kept at the Fire Station is maintained by the Corporation for general and accident cases.

The removal of infectious cases is now carried out by an ambulance kept at the Isolation Hospital, and maintained by the Corporation.

### CLINICS AND TREATMENT CENTRES.

The following tables show the nature of the work done at the Clinics, and the conditions found:—

#### ANTE-NATAL AND INFANT WELFARE CENTRES.

Centre	Total No. of children attending Centre	Total attendances.	No. of children who made first attendances	No. of visits made by these children	No. of children who attended previous years	No. of visits made by these children	No. of new attenders under one year	No. of new attenders between 1—5	Ante-natal attenders.
Mill House ...	...	329	...	...	...	...	...	...	171 (158 new cases)
Dale Street ...	567	5028	252	1890	315	3138	184	68	...
Oxford Street	898	8350	364	3157	534	5193	288	76	...
Seaton Carew ...	68	1284	36	563	32	721	28	8	...
Whitby Street	436	5355	281	2388	155	2967	229	52	...
Totals ...	1969	20346	933	7998	1036	12019	729	204	171



## DEFECTS FOUND IN INFANTS ATTENDING AT CENTRES.

DISEASE.	CENTRE.				Total.
	Oxford St	Dale St.	Seaton	Whitby St.	
Impetigo ... ..	2	5	...	5	12
Skin Disease ... ..	2	3	...	...	5
Dermatitis ... ..	2	3	...	...	5
Rash ... ..	1	...	...	...	1
Scabies ... ..	1	1	...	1	3
Thrush ... ..	1	...	...	...	1
Jaundice ... ..	...	...	...	3	3
Bronchitis ... ..	2	3	...	1	6
Tonsils and Adenoids ... ..	...	1	...	...	1
Debility ... ..	2	5	...	...	7
Congenital heart ... ..	2	...	...	...	2
Rickets ... ..	2	...	...	3	5
Tongue Tie ... ..	...	1	...	...	1
Diarrhoea ... ..	9	3	1	3	16
Hernia ... ..	3	1	...	2	6
Constipation ... ..	15	5	3	12	35
Poor nutrition ... ..	...	3	...	...	3
Protruding navel ... ..	14	10	1	12	37
Worms ... ..	4	2	...	...	6
Cervical glands ... ..	1	...	...	...	1
Stomatitis ... ..	...	1	...	...	1
Cleft Palate ... ..	...	...	...	1	1
Phimosis ... ..	26	15	1	12	54
Hydrocele ... ..	...	...	...	1	1
Ear, Nose and Throat ... ..	...	3	...	1	4
Dental Treatment required ... ..	5	2	...	3	10
Ophthalmia Neonatorum ... ..	5	2	1	...	8
Eye defect (blindness) ... ..	4	...	...	...	4
Sore eyes ... ..	3	2	...	1	6
Otorrhoea ... ..	7	2	...	1	10
Blepharitis ... ..	2	...	...	1	3
Strabismus ... ..	5	3	...	1	9
Seborrhoea ... ..	1	2	...	...	3
Other defects ... ..	8	8	1	12	29
Totals ... ..	129	86	8	76	299

## METHODS OF FEEDING (First Attenders).

Method	All Centres.		Total.
	Regular Hours.	Irregular hours.	
Natural (breast) ... ..	418	64	482
Artificial (various) ... ..	109	24	133
Combined (natural and artificial) ... ..	112	2	114
Breast feeding over one year of age ... ..	...	...	...
Children over 1 year—various diets ... ..	...	204	204
Totals ... ..	639	294	933

During the year the sales of dried milk or allied substances at the Centres amounted to £553 14s. 11½d. The quantities of these commodities given free cost £78 11s. 6d.

## CHILD WELFARE CLINICS.

Although the number of children attending at the Clinics has been maintained, the total attendances during the year have dropped. This decrease is attributed to the prevalence of infectious illnesses for a long period, during which many regular attenders had to refrain from coming to the clinics.

The attendances of children over 1 year of age are becoming more regular, as the mothers begin to appreciate the fact that the feeding of a child at this age is as important as during the first year. Many of the children continue to attend at least once a month until they are of school age.

The efforts of some of the mothers to keep their children healthy are limited by the crowded houses, with somewhat primitive accommodation in which they must live. A marked improvement, both mentally and physically, in mother and children, follows a move to better surroundings, even though the amount of money available for food is not increased.

## U.V.R. CLINIC.

The Ultra-Violet Ray lamp has been in use continuously throughout the year. Cases referred from the various clinics and from doctors in private practice have shown steady improvement with this treatment. The cases treated were chiefly children from six months to ten years of age, suffering from rickets or from debility after an acute illness.

The number of exposures given during the year was 2257.

## MIDWIVES ACTS, 1902-26.

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN  
AN EMERGENCY BY MIDWIVES.

(The figures in brackets indicate insured cases).

## PREGNANCY—

Albumen in Urine ...	4	(4)
Ante-partum		
haemorrhage ...	7	(2)
Swollen feet ...	1	(—)
Premature labour ...	1	(1)
	—	—
Totals ...	13	(7)
	—	—

## PUERPERIUM—

Lacerated perineum ...	49	(40)
Illness of mother ...	19	(10)
Post-partum		
haemorrhage ...	4	(2)
Rise of temperature ...	9	(3)
Inflamed breasts ...	1	(1)
Collapse ...	2	(2)
	—	—
Totals ...	84	(58)
	—	—

## LABOUR—

Malpresentation ...	18	(12)
Prolonged and		
difficult labour ...	108	(78)
Retained placenta ...	9	(2)
Abortion ...	2	(—)
Threatened abortion	2	(—)
Contracted pelvis ...	6	(5)
	—	—
Totals ...	145	(97)
	—	—

## INFANTS—

Watery blisters ...	1	(—)
Spina bifida ...	2	(1)
Tongue tie ...	5	(2)
Discharging eyes ...	15	(6)
Illness of baby ...	30	(16)
Stillbirth ...	4	(1)
Deformity of child ...	2	(1)
Premature infant ...	7	(3)
	—	—
Totals ...	66	(30)
	—	—

## MATERNITY INSURANCE SCHEME.

The Council maintained their Insurance Scheme throughout the year, and I am indebted to the Borough Treasurer for the following financial particulars:—

	Year ended—31st Mar.,	31st Mar.
	1934.	1935.
Number of contributors to scheme ...	402	462
Amount of contributory fees received ...	£100 10 0	£115 10 0
Confinements during the period—		
(a) No medical attention ...	241	251
(b) Number of cases medically treated	182	174



	Year ended—31st Mar., 1934.	31st Mar. 1935.
Contributory fees received in respect of		
(a) and (b) above ... ..	£105 15 0	£106 5 0
Amount of Doctor's Fees paid by Corporation	£311 13 0	£282 2 6
Number of cases where confinement has not taken place during the period ...	55	92
Percentage of cases in which medical treatment was required ... ..	43 %	41 %
Average cost per case of Medical treatment ...	£1 14 3	£1 12 5
Amount received in contributory fees for each case treated ... ..	11s. 7d.	12s. 3d.
Loss to Corporation per case treated ...	£1 2 8	£1 0 2

## WORK OF THE HEALTH VISITORS.

### Maternity and Child Welfare:—

Visits to children under 1 year of age—Primary visits	...	...	1327
Secondary visits	...	...	4119
Visits to children between 1 and 5 years of age	...	...	8191
Visits to expectant mothers—Primary visits	...	...	533
Secondary visits	...	...	123
Visits for complications in mother	...	...	241
Visits to cases of Ophthalmia Neonatorum—Primary visits	...	...	16
Secondary visits	...	...	98
Visits to Midwives	...	...	1

### Tuberculosis:—

Primary visits to new cases	...	...	95
Secondary visits to Domiciliary cases	...	...	123
Dispensary cases	...	...	591

### Health Work:—

Visits to cases of pneumonia—Primary visits	...	...	106
Secondary visits	...	...	1
For nursing	...	...	—
Visits to mental defectives	...	...	38
Visits for treatment of puerperal pyrexia	...	...	3
Visits to Boarded-out children (Children Act, 1908)	...	...	21

### School Work:—

Visits to homes	...	...	41
Visits to Schools with S.M.O.	...	...	39
Visits to Schools with School Dentist	...	...	2
Verminous surveys	...	...	2
Other visits to schools	...	...	4
Special sessions	...	...	3
Following up:—Verminous cases	...	...	13
Scabies	...	...	1
Tonsils and Adenoids	...	...	5
Skin diseases	...	...	2
Eye defects	...	...	3
Infectious diseases	...	...	22



Special Enquiries	...	...	...	...	...	...	...	498
Ineffectual visits	...	...	...	...	...	...	...	946
Clinics attended:—								
Baby	...	...	...	...	...	...	...	416
Ante-natal	...	...	...	...	...	...	..	48
Tuberculosis	...	...	...	...	...	...	...	109
Venereal Diseases	...	...	...	...	...	...	...	150
School (minor ailments)	...	...	...	...	...	...	...	39
Dental	...	...	...	...	...	...	...	92
Ultra-violet Ray	...	...	...	...	...	...	...	148
Laboratory work (sessions)	...	...	...	...	...	...	...	9
Part of the time of one Health visitor is devoted to school work.								

## ANTE-NATAL CLINIC.

The number of cases attending is slightly less than last year, but the regularity of attendance has improved. The midwives in the town are beginning to co-operate with the clinic by referring to the clinic any case which is giving them anxiety.

## ANTE-NATAL SCHEME.

During 1934, 443 cases booked by midwives were notified to their doctors for ante-natal examination.

Doctors returned reports on 119 of these cases, and it will be seen that abnormalities were found in 43 cases.

ABNORMALITIES REPORTED.	No. of cases.						
Right occipito-posterior position	...	...	...	...	...	...	2
Right occipito-anterior position	...	...	...	...	...	...	2
Transverse lie	...	...	...	...	...	...	1
Breech (?)	...	...	...	...	...	...	1
Slight B.Coli pyelitis	...	...	...	...	...	...	1
Hydramnios	...	...	...	...	...	...	1
Hyperemesis gravidarum	...	...	...	...	...	...	1
Albumen in urine	...	...	...	...	...	...	3
Heavy deposit of phosphates	...	...	...	...	...	...	1
Pelvic dimensions—transverse narrow	...	...	...	...	...	...	2
Frequent epistaxis	...	...	...	...	...	...	1
Decayed teeth and constipation	...	...	...	...	...	...	1
Decayed teeth	...	...	...	...	...	...	1
Constipation	...	...	...	...	...	...	2
Acidity and flatulence	...	...	...	...	...	...	1

	No. of Cases
Gastritis ... ..	1
Overgrown ruga, anterior wall of vagina ... ..	1
Overgrown carbuncle, posterior wall of vagina ... ..	1
Smallness and rigidity of soft parts ... ..	1
Congestion of lung ... ..	1
Bronchitis ... ..	4
Vaginitis (Gonorrhoeal) ... ..	1
(Non-gonorrhoeal) ... ..	1
Abscess near anus ... ..	1
Varicose veins and haemorrhoids ... ..	1
Varicose veins ... ..	1
Varicose veins, Oedema of feet and legs ... ..	2
Oedema of feet ... ..	1
Phlebitis ... ..	1
Slight valvular disease of heart. Feet and legs swollen ... ..	1
Haemic murmur at pulmonary valve. Marked secondary anaemia and some endometritis ... ..	1
Anaemia ... ..	2
	—
Total ...	43
	—

## SCHOOL CLINICS.

The details under this heading are given in the report of the School Medical Officer.

## TUBERCULOSIS.

### THE TUBERCULOSIS CLINIC.

As in former years the Clinic is held at Mill House, Stranton. All cases are seen by appointment, and sessions are held on Tuesday and Thursday afternoons, and on the first Wednesday morning in each month.

The Table on Page 22 gives a record of the work done at the Clinic during the year. There is nothing that calls for comment in this table, as the work done during the year under review has been very much the same as that of the previous year.

There is no doubt that the work done at the Clinic in relation to the diagnosis of early cases of tuberculosis is rendered much less valuable through lack of adequate X-ray facilities. It seems to me to be essential that, short of installing an X-ray outfit at the Clinic, some definite arrangement should be made for these cases to be X-rayed elsewhere.

It does not seem to me to be sufficiently clear to the community in general that the Tuberculosis Clinic is for that disease only. People turn up at the Clinic with all sorts of diseases, real or imaginary, and because "the Clinic belongs to the town" they expect to be treated. The Corporation have placed facilities at the disposal of the community for the treatment of sickness generally, and it should be clearly understood that only cases of tuberculosis can be seen at the Clinic.

As in former years, it gives me very great pleasure to pay tribute to the very cordial and harmonious manner in which the medical practitioners of the town have co-operated with the Tuberculosis Clinic.

#### TUBERCULOSIS STATISTICS.

The Tuberculosis statistical records are given on the following pages and in Appendices 24-27.

An examination of Appendix 24, which gives the number of new cases of tuberculosis (all forms) notified during the year, shows that, as compared with last year there is a decrease of 13 in the number of new cases notified. There is this additional point for comment—that this decrease is due to a decrease in the two commonest forms of tuberculosis—viz: Pulmonary and Abdominal.

Appendix 25 shows that the number of deaths from tuberculosis this year is 67, which is two more than in the previous year.

Last year attention was drawn to the significant and serious fact, as revealed in appendix 27, that more than half of the fatal cases of pulmonary tuberculosis die within 6 months of notification. The significance of this fact is, that too many cases are coming to light at a stage when nothing can be done for them. It is unfortunate that the same is true for this year. There can be no doubt that the primary cause of this is delay in consulting the general practitioner.



Return showing the Work of the Dispensary during the year 1934.

DIAGNOSIS	Pulmonary				Non-pulmonary				Total.			
	Adults.		Children.		Adults.		Children		Adults.		Children.	
	M	F	M	F	M	F	M	F	M	F	M	F
A—New Cases examined during the year (excluding contacts) :—												
(a) Definitely tuberculous	15	19	2	2	5	4	9	8	20	23	11	10
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	1	3	4	2
(c) Non-tuberculous	...	...	...	...	...	...	...	...	3	7	11	13
B—Contacts examined during the year :—												
(a) Definitely tuberculous	...	...	...	...	...	...	1	...	...	...	1	...
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	...	...	...	...
(c) Non-tuberculous	...	...	...	...	...	...	...	...	3	7	22	17
C—Cases written off the Dispensary Register as :—												
(a) Recovered	5	...	1	1	2	8	12	10	7	8	13	11
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)	...	...	...	...	...	...	...	...	6	14	37	30
D—Number of cases on Dispensary Register on December 31st :—												
(a) Definitely tuberculous	72	67	14	14	30	36	55	49	102	103	69	63
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	1	3	4	4

- |  |      |  |     |     |
|--|------|--|-----|-----|
| 1. Number of cases on Dispensary register on January 1st   | 342  | 8. Number of visits by Tuberculosis Officers to homes (including personal consultations)             | ... | 67  |
| 2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years                | 12   | 9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes                    | ... | 809 |
| 3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of" | 13   | 10. Number of :—   |     |     |
| 4. Cases written off during the year as Dead (all causes)  | 24   | (a) Specimens of sputum, etc., examined  | ... | 92  |
| 5. Number of attendances at the Dispensary (including Contacts)  | 1210 | (b) X-ray examinations made  | ... | 12  |
| 6. Number of Insured Persons under Domiciliary Treatment on the 31st December  | 18   | in connection with Dispensary work.  |     |     |
| 7. Number of consultations with medical practitioners :—   |      | 11. Number of "Recovered" cases restored to Dispensary Register, and included in A(a) and A(b) above | ... | —   |
| (a) Personal   | 2    | 12. Number of "T.B. plus" cases on Dispensary Register on December 31st                              | ... | 84  |
| (b) Other  | 24   |  |     |     |



Number of beds available for the treatment of tuberculosis on the 31st December, 1934, in institutions belonging to the Council.

Name of Institution	For Pulmonary Cases		For Non-pulmonary Cases		Total.
	Adults	Children under 15	Adults	Children under 15	
Poor Law Institution— Howbeck Infirmary ... ..	19	...	10	7	36

Return showing the extent of residential treatment and observation during the year in institutions (other than Poor Law institutions) approved for the treatment of tuberculosis.

		In institutions on Jan 1	Admitted during the year.	Discharged during the year	Died in the institutions.	In institutions on Dec. 31
Number of doubtfully tuberculous cases admitted for observation	Ad. { M	...	1	...	...	1
	F	...	1	1	...	...
	Ch.	1	1	2	...	...
Number of definitely tuberculous patients admitted for treatment	Ad. { M	3	14	9	...	8
	F	5	8	10	...	3
	Ch.	4	6	7	...	3
Grand total	...	13	31	29	...	15



Classification on admission to the Institution.	Condition at time of discharge.	Duration of Residential Treatment in the Institution.															Grand Totals.
		Under 3 months, but exceeding 28 days.			3—6 months.			6—12 months.			More than 12 months.			Totals.			
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
Pulmonary Tuberculosis.	Class T.B. minus	...	...	...	...	1	1	2	...	...	...	...	...	...	1	5	6
	Not quiescent	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Class T.B. plus. Group I.	...	...	...	...	1	2	...	...	...	...	...	...	...	1	...	1
	Not quiescent	1	...	...	...	2	...	...	...	...	...	...	...	...	2	...	4
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus. Group II.	Quiescent	...	...	...	...	1	1	...	...	...	...	...	...	1	...	2	
	Not quiescent	...	1	...	...	2	...	...	...	...	...	...	...	3	...	6	
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus. Group III	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not quiescent	...	...	...	...	2	...	...	...	...	...	...	...	2	...	5	
	Died in Institution	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...
TOTALS (pulmonary)		3	1	...	3	9	1	3	...	2	...	...	3	9	10	6	25
Non-pulmonary Tuberculosis.	Bones and Joints	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Abdo- minal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Organs	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peri- pheral glands	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (non-pulmonary)		...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1

TUBERCULOSIS.

AVERAGE RESIDENCE AND COST OF

A.—SANATORIUM TREATMENT.

Name of Sanatorium.	Form of Disease			Total days residence	Average residence per patient [days).	Total Cost.		
	Pul-monary	Non-Pul-monary	For Obser-vation.			£	s.	d.
Barrasford ...	10	...	2	1389	139	508	1	0
Stanhope ...	8	...	...	671	84	154	19	6
Wolsingham ...	11	...	...	1330	121	306	11	6
Stannington ...	7	2	1	995	99	326	17	0
Totals ...	36	2	3	4385	...	1296	9	0

B.—SURGICAL TREATMENT.

Institution.	Form of Disease.				Total days residence.	Average residence per patient [days)	Total Cost.		
	Pul-monary.	Abdom-inal	Bones and Joints.	Glands			£	s	d.
Hartlepoons Hospital	1	2	9	2	2161	154	546	0	0

C.—ARTIFICIAL PNEUMOTHORAX TREATMENT.

During the year seven patients who were attending at Newcastle-on-Tyne for artificial pneumothorax treatment, were given 98 refills at a total cost of £214 16s. 0d.



PULMONARY TUBERCULOSIS.

Return showing in summary form (a) the condition at the end of 1934 of all patients remaining on the Dispensary Register ; and (b) the reasons for the removal of all cases written off the Register. The Table is arranged according to the years in which the patients were first entered on the Dispensary Register as definite cases of pulmonary tuberculosis, and their classification at that time.

Condition at the time of the last record made during the year to which the Return relates		Previous to 1926.					1926.					1927.					1928.					1929.					1930.					1931.					1932.					1933.					1934.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus				Class T.B. minus	Class T.B. plus																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)		Group 1.	Group 2.	Group 3.	Total (Class T.B. plus)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Disease Arrested	Adults } F	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	1	1	1	...	...	1	2	3	...	...	3	3	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



NON-PULMONARY TUBERCULOSIS.

Return showing in summary form (a) the condition at the end of 1934 of all patients remaining on the Dispensary Register ; and (b) the reasons for the removal of all cases written off the Register.

Condition at the time of the last record made during the year to which the Return relates			Previous to 1926.					1926.					1927.					1928.					1929.					1930.					1931.					1932.					1933.					1934.					
			Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total											
(a) Remaining on Dispensary Register on 31st December.	Disease Arrested	Adults { M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	2	1	...	...	...	1	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1	2		
		Adults { F	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1						
	Children	Adults { M	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	1	...	...	...	...	2	...	...	...	2	...	1	...	...	...	...	...	2	...	...	1	3	...	2	...	1	3							
		Adults { F	...	...	4	...	4	...	...	1	...	1	...	...	...	...	...	...	1	...	1	...	...	1	...	2	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	3						
	Condition not ascertained during the year		...	...	1	1	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	1	...	...	...	...	1	2	...	1	4	1	1	1	3	6	...	...	...	1	1	...	...	...	...	...			
Total on Dispensary Register at 31st December		...	2	...	11	3	16	1	...	3	3	7	2	...	1	1	4	2	...	2	1	5	3	2	2	...	7	4	2	...	7	13	7	10	3	7	27	8	9	5	11	33	10	13	...	7	30	8	12	2	6	28	
Transferred to Pulmonary			...	...	2	1	4	7	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...			
(b) Not now on Dispensary Register and reasons for removal therefrom.	Discharged as Recovered	Adults { M	1	1	...	...	2	...	...	...	...	...	...	1	1	...	...	...	...	...	3	...	...	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
		Adults { F	2	...	...	2	4	...	...	1	1	2	...	...	...	1	1	1	...	...	1	2	1	...	1	...	1	2	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
	Children	Adults { M	11	3	3	15	32	7	1	1	11	20	5	3	1	7	16	4	5	...	20	29	3	6	...	9	18	5	3	...	6	14	...	1	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Adults { F	...	...	1	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	Lost sight of, or otherwise removed from Dispensary Register		...	5	1	3	7	16	4	1	5	4	14	3	...	2	4	9	7	...	...	5	12	...	...	1	5	6	2	2	1	8	13	2	4	...	2	8	2	1	...	1	4	...	...	...	...	...	...	...	...	...	...
Dead	Adults { M	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Children	...	2	1	...	3	4	...	...	2	6	...	...	1	1	2	...	...	1	...	1	2	1	...	3	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total written off Dispensary Register			...	19	7	8	24	58	15	2	7	18	42	8	3	4	16	31	13	5	1	26	45	9	7	2	15	33	8	8	1	15	32	3	6	...	3	12	2	1	1	5	...	2	...	...	2	...	1	...	...	1	
GRAND TOTALS of (a) and (b) (excluding those transferred to Pulmonary).			...	21	7	19	27	74	16	2	10	21	49	10	3	5	17	35	15	5	3	27	50	12	9	4	15	40	12	10	1	22	45	10	16	3	10	39	10	10	6	12	38	10	15	...	7	32	8	13	2	6	29



## VENEREAL DISEASES.

## MALE CLINIC.

The statistical record of the work done in the Male Clinic appears in the pages which follow. As compared with the previous year there is very little that calls for comment, as the amount of work done has been practically the same in both years. There has been a slight increase in the number of new cases, but I do not think that this is of any great significance.

The most disappointing feature in this year's figures is the great number of patients who have ceased to attend before completion of treatment. Every effort is made when the patients attend the Clinic to impress upon them the gravity of the disease they have contracted, and the need for thorough treatment. In spite of this advice too many of the patients fail to respond, and, once the immediate pain or discomfort is over, cease to attend. This is a serious matter, because a patient who has contracted venereal disease and has not had such thorough treatment as to produce a cure, is in a dangerous condition, not only with reference to himself, but also to the community and to his children.

To my mind this suggests the need for either propaganda to impress on the community the importance of adequate treatment of venereal disease, or some system whereby known cases of venereal disease are compelled to attend for treatment.

## FEMALE CLINIC.

There has been no marked change in the number of new cases, and the attendances of patients have been quite regular. The number of cases ceasing to attend before completion of treatment has decreased, four cases returned to complete treatment interrupted in a previous year, and four patients came to continue treatment begun at centres in other towns. This shows an increased anxiety on the part of the female patients at least to obtain complete cure.

# VENEREAL DISEASES.

## ATTENDANCES AT CORPORATION CLINIC.

	Syphilis		Soft Chancre		Gonorrhœa.		Conditions other than venereal		TOTALS		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
1. Number of cases on 1st January under treatment or observation	47	15	1	...	62	16	...	...	110	31	141
2. Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection ... ..	3	2	2	...	...	2	...	...	5	4	9
3. Number of cases dealt with for the first time during the year under report (exclusive of cases under Item 4) suffering from :—											
Syphilis, primary ... ..	9	1	...	...	...	...	...	...	9	1	10
„ secondary ... ..	8	2	...	...	...	...	...	...	8	2	10
„ latent in 1st year of infection ... ..	2	...	...	...	...	...	...	...	2	...	2
„ all later stages ... ..	2	5	...	...	...	...	...	...	2	5	7
„ congenital ... ..	...	3	...	...	...	...	...	...	...	3	3
Soft Chancre ... ..	...	...	8	...	...	...	...	...	8	0	8
Gonorrhœa, 1st year of infection ... ..	...	...	...	...	71	7	...	...	71	7	78
„ later ... ..	...	...	...	...	12	7	...	...	12	7	19
Conditions other than venereal ... ..	...	...	...	...	...	...	20	15	20	15	35
4. Number of cases dealt with for the first time during the year under report known to have received treatment at other Centres for the same infection ...	14	4	3	...	14	...	...	...	31	4	35
TOTALS OF ITEMS 1, 2, 3 and 4 ...	85	32	14	...	159	32	20	15	278	79	357
5. Number of cases discharged after completion of treatment and final tests of cure (see Item 15)	9	2	8	...	51	12	19	15	87	29	116
6. Number of cases which ceased to attend before completion of treatment and were, on first attendance, suffering from :—											
Syphilis, primary ... ..	6	1	...	...	...	...	...	...	6	1	7
„ secondary ... ..	2	3	...	...	...	...	...	...	2	3	5
„ latent in 1st year of infection ... ..	2	...	...	...	...	...	...	...	2	...	2
„ all later stages ... ..	1	3	...	...	...	...	...	...	1	3	4
„ congenital ... ..	...	3	...	...	...	...	...	...	...	3	3
Soft Chancre ... ..	...	...	2	...	...	...	...	...	2	...	2
Gonorrhœa, 1st year of infection ... ..	...	...	...	...	16	7	...	...	16	7	23
„ later ... ..	...	...	...	...	8	4	...	...	8	4	12



# VENEREAL DISEASES.

## ATTENDANCES AT CORPORATION CLINIC.

	Syphilis		Soft Chancre		Gonorrhœa		Conditions other than venereal		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
7. Number of cases which ceased to attend after completion of treatment but before final tests of cure (see Item 15) ... ..	10	...	...	...	8	...	...	...	18	...	18
8. Number of cases transferred to other Centres or to institutions, or to care of private practitioners	23	...	3	...	38	...	...	...	64	...	64
9. Number of cases remaining under treatment or observation on 31st December ... ..	32	20	1	...	38	9	1	...	72	29	101
TOTALS OF ITEMS, 5, 6, 7, 8 and 9 (These totals should agree with those of Items, 1, 2, 3 and 4).	85	32	14	...	159	32	20	15	278	79	357
10. Number of cases in the follow stages of syphilis included in Item 6 which failed to complete one course of treatment :—											
Syphilis, primary ... ..	2	1	...	...	...	...	...	...	2	1	3
,, secondary ... ..	1	2	...	...	...	...	...	...	1	2	3
,, latent in 1st year of infection ... ..	...	...	...	...	...	...	...	...	...	...	...
,, all later stages ... ..	1	2	...	...	...	...	...	...	1	2	3
,, congenital ... ..	...	1	...	...	...	...	...	...	...	1	1
11. Number of attendances :—											
(a) for individual attention of the medical officers ... ..	863	495	34	...	751	191	30	36	1678	722	2400
(b) for intermediate treatment, e.g., irrigation, dressing ... ..	...	...	...	...	3517	597	...	...	3517	597	4114
Total attendances ... ..	863	495	34	...	4268	788	30	36	5195	1319	6514
12. In-patients :—											
(a) Total number of persons admitted for treatment during the year ... ..	3	...	...	...	4	2	...	...	7	2	9
(b) Aggregate number of "in-patient days" of treatment given ... ..	269	...	...	...	78	73	...	...	347	73	420

# VENEREAL DISEASES.

	Under 1 year		1 and under 5 years		5 and under 15 years		15 years and over		Totals	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
13. Number of cases of congenital syphilis in Item 3 above classified according to age periods ...	...	...	...	...	...	3	...	...	...	3

	Arsenobenzene Compounds.	Mercury.	Bismuth.
14. Chief preparations used in treatment of Syphilis :—			
(a) Names of preparations ...	N.A.B. Kharsulphan	Hyd. c Crete Gr. 1	Bisantol Bismuth Hypoloid.
(b) Total number of injections given (out-patients and in-patients) ... ..	794		272

15. Are the tests recommended in Memo. V21 as amended by Memo V21a followed in deciding as to the discharge of the patient after treatment and observation for syphilis and gonorrhœa ? ... ..	Yes
If not, in what way are they modified ? ... ..	.....

	Microscopical		Serum Tests		
	for spirochetes	for gonococci	Wassermann	Others for Syphilis	for Gonorrhœa
16. <b>Pathological Work</b> :—					
(a) Number of specimens examined at, and by the medical officer of the Treatment centre ...	...	191	...	...	...
(b) Number of specimens from patients attending at the Treatment Centre sent for examination to an approved laboratory ...	...	...	98— 147—	West Hartlepool All Areas	

Statement showing the services rendered at the Treatment Centre during the year, classified according to the areas in which the patients resided.

Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings.	West Hartlepool	Durham	Sweden	Hull	Latvia	London	Scotland	Denmark	Aden	Finland	Total
A. Number of cases in Items 3 and 4 from each area found to be suffering from—											
Syphilis ... ..	24	11	10	...	1	2	...	...	...	2	50
Soft Chancres ... ..	6	2	1	...	2	...	...	...	...	...	11
Gonorrhoea ... ..	65	29	8	3	2	1	1	1	1	...	111
Conditions other than Venereal ...	20	13	1	...	...	1	...	...	...	...	35
Total ... ..	115	55	20	3	5	4	1	1	1	2	207
B. Total number of attendances of all patients residing in each area ...	4548	1848	36	32	21	7	1	1	10	10	6514
C. Aggregate number of "In-patient days" of all patients residing in each area ... ..	420	...	...	...	...	...	...	...	...	...	420
D. Number of doses of approved arseno-benzene compounds given in the outpatient Clinic and inpatient Department to patients residing in each area	616	174	17	...	1	4	...	...	...	...	794

SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY.

Below is given the Public Analyst's report on a sample of the water supply of the Borough, which shows that the water is of good and wholesome quality.

					Parts per 100,000
Chlorine as Chlorides	...	...	...	...	10 8150
Nitrogen as Nitrates	...	...	...	...	0502
Ammonia	...	...	...	...	0010
Albuminoid Ammonia		...	...	...	0010
Oxygen Absorption	...	...	...	...	None.
Injurious Metals	...	...	...	...	None.
Total solid matter dried @ 100°C.		...	...	...	86·0000
Temporary Hardness	...	...	24·00	Degrees.	
Permanent Hardness	...	...	16·00	Degrees.	
Colour of sample on Hazen Scale	...	3	Not quite clear.		
Appearance of sample in 2 ft. tube	...				
Odour when heated to 50°C.	...	None.			

MICROSCOPICAL EXAMINATION.

Minute deposit from  $\frac{1}{2}$  gallon consisting of earthy matter (including particles of rust), some vegetable debris, one or two fungus growths, a few micro-organisms and some cotton and linen fibres.

OBSERVATIONS.

The sample, which is of a high order of organic purity, affords no indication of pollution. The result of the microscopical examination shows the presence of surface matters which are, no doubt, due to atmospheric dust and have no bearing on the quality of the sample. In my opinion the sample is of good and wholesome quality for human consumption.

Ashpits Abolished.

		Wards.							TOTAL	
		North	West	Park	S West	S East	Cntral	NEast		Seat'n
Ashpits abolished and circular pans provided	...	...	4	...	...	...	2	1	...	7



## SCAVENGING—DISPOSAL OF HOUSE REFUSE.

### Refuse Collected and Disposed of.

Year ended 31st December, 1934				Number of Loads collected.			Number of loads destroyed.	
Month				Total	Taken to farms	Taken to Destructor	Sundry	Total including Destructor
January	...	...	...	1589 $\frac{1}{2}$	1232	357 $\frac{1}{2}$	554	911 $\frac{1}{2}$
February	...	...	...	1430 $\frac{3}{4}$	1141 $\frac{3}{4}$	289	425	714
March	...	...	...	1570 $\frac{1}{4}$	1259 $\frac{3}{4}$	310 $\frac{1}{2}$	488	789 $\frac{1}{2}$
April	...	...	...	1405 $\frac{3}{4}$	1405 $\frac{3}{4}$	...	474	474
May	...	...	...	1567	1567	...	596	596
June	...	...	...	1372	1372	...	671	671
July	...	...	...	1361	1361	...	733	733
August	...	...	...	1373 $\frac{1}{4}$	1373 $\frac{1}{4}$	...	652	652
September	...	...	...	1246 $\frac{3}{4}$	1246 $\frac{3}{4}$	...	682	682
October	...	...	...	1438 $\frac{3}{4}$	1438 $\frac{3}{4}$	...	710 $\frac{1}{4}$	710 $\frac{1}{4}$
November	...	...	...	1469	1469	...	659	659
December	...	...	...	1495 $\frac{1}{2}$	1495 $\frac{1}{2}$	...	658	658
Totals				17319	16362	957	7302	8259

### SCAVENGING AND REFUSE DISPOSAL.

The Borough Engineer has kindly given me the following information regarding the system of controlled tipping, which is carried out at High Springwell Plantation.

The tip is situate about 3 miles from the centre of the Borough, and occupied a site on the West side of the West Hartlepool - Easington Road, and it is anticipated that the tip will admit of refuse for a period of ten years from the commencement of the scheme.

The area had to be cleared of obstruction in the way of trees and thick covering of shrub, etc., and a stream through such plantation has been partly culverted, the latter work being carried out as required.

The system of controlled tipping is based on precautions issued by the Ministry of Health and previously tried out in Bradford with ample satisfaction as evidenced by the scheme having been much extended.

The system provides for deposits to be made in layers not exceeding 6 feet in depth, to prevent combustion, each layer being covered on all surfaces with at least nine inches of earth, not more than 100 square yards to be left uncovered at any one time and then not exceeding 72 hours.

Even so, the bay of refuse when not completed is covered off with mats and bagging, which are removed for the succeeding days' work.

The system is very sanitary as it eliminates the indiscriminate dumping of refuse, which frequently gives rise to complaints ; it is hygienic in that any putrescent matter can be covered off with quick dispatch to avoid nuisance ; it also prevents " picking over " by unauthorised salvagers (such salvage being carried out by the Corporation men during the work of spreading the refuse).

By the filling in of the depression much land is gained for agricultural purposes and the previous accumulation of clinker as a result of incineration at the Destructor is now avoided.

There is an average deposit of between 50 and 60 loads daily, and as before stated the refuse is covered off by clean excavations brought to the site by contractors and others, who obtain a place of deposit without charge.

#### SANITARY INSPECTION OF THE DISTRICT.

Inspections were made as follows :—

3248 visits under the Public Health Acts.

1602 visits under the Housing Acts.

141 visits under the Merchandise Marks Acts.

158 visits to factories and workshops.

144 visits to dairies, cowsheds and milkshops.

258 visits to fish, fruit and meatshops.

317 visits to public abattoir.

61 visits to ice-cream shops.

17 visits to places of entertainment.

135 visits to offensive trades.

91 visits to common lodging houses.

47 visits to houses let in lodgings.

105 visits to sheds and caravans.

511 visits to cases of infectious diseases.

53 visits to homes of mental defectives.

705 complaints attended to.

88 drains inspected.

34 drains tested.  
 205 visits re rats.  
 955 informal notices served.  
 152 statutory notices served.

Defects and nuisances discovered and dealt with are given below:—

Drains not properly trapped ...	...	...	...	...	2
Drains defective ...	...	...	...	...	27
Drains and Water Closets stopped ...	...	...	...	...	100
Dirty dwellings ...	...	...	...	...	17
Dirty workshops and shops ...	...	...	...	...	6
Defective yard pavements ...	...	...	...	...	83
Defective spouts and fallpipes ...	...	...	...	...	260
Defective dwelling-house roofs ...	...	...	...	...	130
Overcrowding to be abated ...	...	...	...	...	3
Dirty Bakehouse ...	...	...	...	...	1
Ashpits to be abolished ...	...	...	...	...	6
Defective water closets ...	...	...	...	...	153
Additional Water Closets required ...	...	...	...	...	5
Offensive accumulation of manure or refuse ...	...	...	...	...	12
Rat-infested premises ...	...	...	...	...	6
Animals improperly kept ...	...	...	...	...	8
Offensive trade ...	...	...	...	...	1
Smoke nuisance ...	...	...	...	...	3
New dustbins required ...	...	...	...	...	341
Defective or absent ashcloset doors ...	...	...	...	...	86
Disused well to abolish ...	...	...	...	...	1
Rainwater wells requiring cleaning ...	...	...	...	...	17
Defective rainwater pumps, wells, etc. ...	...	...	...	...	94
Stagnant water ...	...	...	...	...	3
Defective water taps, pipes, etc. ...	...	...	...	...	57
No supply of pure water ...	...	...	...	...	8
Other defects ...	...	...	...	...	890
Total ...					2320

#### DISINFECTION, 1934.

Number of rooms sprayed and fumigated ...	...	...	...	730
Tuberculosis ...	...	...	...	75
Fever ...	...	...	...	491
Vermin ...	...	...	...	30



Institutions	...	...	...	...	6	
Other	...	...	...	...	47	
Number of articles disinfected by steam	...	...	...	...	...	8751
Beds and mattresses	...	...	...	...	830	
Pillows and bolsters	...	...	...	...	1800	
Carpets and rugs	...	...	...	...	585	
Articles of clothing	...	...	...	...	1990	
Sheets, blankets and quilts	...	...	...	...	3045	
Sundry articles	...	...	...	...	501	
Number of articles destroyed with consent of owner	...	...	...	...	...	206
Number of houses disinfected	...	...	...	...	...	649

### PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS OR REGULATIONS.

						No.
Fried Fish Dealers	...	...	...	...	...	67
Marine Stores	...	...	...	...	...	51
Gut Scrapers	...	...	...	...	...	21
Tripe Boilers	...	...	...	...	...	31
Tallow Melters	...	...	...	...	...	51
Bone Boilers	...	...	...	...	...	11
Common Lodging Houses	...	...	...	...	...	103
Registered Houses-let-in-lodgings	...	...	...	...	...	411
Cowsheds and Retail Purveyors of Milk	...	...	...	...	...	103
Shops registered for sale of Bottled Milk	...	...	...	...	...	75
Slaughter Houses	...	...	...	...	...	1

### COMMON LODGING HOUSES.

Situation.	Registered No. of Lodgers	No. of Rooms
18 Rokeby Street	18	6
138, Burbank Street	35	9
3, Redworth Street	11	2
16, Mainsforth Terrace	51	22
2, Edward Street	22	4
29, George Street	11	3
26, George Street	13	4
15, Mainsforth Terrace	20	7
5, South Street	14	5
9, Bridge Street	22	6
Totals	217	68



## HOUSING.

The number of inhabited houses in the Borough at the end of 1934 was 17,130, with a population of 71,550. This gives a figure of 4.18 persons per house.

In 1934, 740 houses, and 10 houses and shops were built in the borough, making a total of 750 additional dwellings. All this building was done by private enterprise.

During the year, at the instigation of the Ministry of Health, two additional Sanitary Inspectors were appointed with a view to completing a survey of the whole area. The Council appointed a Special Housing Committee to deal with Clearance and Improvement Areas, and to investigate the housing needs of the borough, and the number of houses required to be provided.

This marked the most forward step the Council has taken to give the question of the housing of the people really serious attention, and eight areas were put before the Committee by representations. These were still under consideration at the end of the year.

I am satisfied that the Council can be assured that the housing question is now getting the consideration it deserves, and feel that in the course of a few years we shall be able to wipe out all insanitary dwellings in the area.

## OVERCROWDING.

The following figures give the number of cases of overcrowding dealt with during the year.

(a) Cases reported to the Health Committee ...	...	...	17
(b) Number of families included in (a) ...	...	...	20
(c) Number of people included in (a)—			
Over 10 years ...	...	...	94
Under 10 years ...	...	...	60
(d) Rooms, etc., occupied by above ...	...	41 rooms.	
		2 vans.	
(e) Number of cases reported who were subsequently given			
Council Houses ...	...	...	3
(f) Number of cases reported who were put on the list of special			
and early consideration ...	...	...	3

## HOUSING.

## 1. INSPECTION OF DWELLING HOUSES DURING THE YEAR—

(1) (a)	Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	...	2456
(b)	Number of inspections made for the purpose	...	4850
(2) (a)	Number of dwelling houses (included under sub-head (1) above, which were inspected and recorded under the Housing Consolidated Regulations, 1925	...	1501
(b)	Number of inspections made for the purpose	...	1602
(3)	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	... ..	231*

\* Includes 208 in Clearance Areas not yet confirmed.

(4)	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	... ..	876
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## 2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES:—

	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	... ..	751
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## 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR:—

## (a) Proceedings under sections 17, 18 and 23 of the Housing Act, 1930—

(1)	Number of dwelling houses in respect of which notices were served requiring repairs	... ..	11
-----	---	--------	----

## (2) Number of dwelling houses which were rendered fit after service of formal notices:—

(a)	By owners	... ..	11
(b)	By local authority in default of owners	...	—

## (b) Proceedings under Public Health Acts:—

(1)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	141
-----	--	-----	-----

(2) Number of dwelling houses in which defects were remedied after service of formal notices :—

(a) By owners ... .. 136

(b) By local authority in default of owners ... 5

(c) Proceedings under sections 19 and 21 of the Housing Act, 1930 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made ... .. 1

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders ... .. 1

(d) Proceedings under section 20 of the Housing Act, 1930 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ... —

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... —

## MILK AND DAIRIES (CONSOLIDATION) ACT, 1915.

### MILK (SPECIAL DESIGNATIONS) ORDER, 1923.

Bacteriological examination of milk samples to determine the presence of tubercle bacilli and for bacterial count.

No. of samples taken for examination.		Source	Result	Action taken.
For presence of tubercle bacilli.	for bacterial count.			
10	...	Local supply	10 Negative	Nil.
48	...	Supply from outside Borough	45 Negative	Nil.
			2 Positive	Responsible authority notified.
			1 not conclusive.	Nil.
...	2	Local supply	1 satisfactory	Nil.
			1 unsatisfactory	Farmer's attention drawn to unfavourable report.
...	5	Supply from outside Borough	5 Negative	Nil.



## TUBERCULOSIS ORDER, 1925.

Four cows were slaughtered under the provisions of the Tuberculosis Order, 1925, during the year.

Value of Cow.	Compensation Paid.	Salvage received after deduction of expenses incurred.
£ s. d.	£ s. d.	s. d.
9 0 0	2 5 0	6 11
9 0 0	2 5 0	1 7
16 0 0	4 0 0	8 5
16 0 0	4 0 0	8 5

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

The year under review showed a very heavy incidence of infectious disease, mainly Scarlet Fever and Diphtheria. Scarlet Fever incidence, after running comparatively high for a number of months, reached epidemic height in the latter months of the year, but figures for the year do not show a true indication of the severity of the epidemic, which continued into the opening months of 1935.

These epidemics seem to achieve their maximum in periods of 15 to 16 years, and as far as can be ascertained from records the epidemics are all associated with a mild type of fever. On the other hand, Diphtheria, which has shown a decided increase in the last two years, has shown itself as exceptionally severe in type.

In dealing with the epidemic only cases that could not be nursed at home were admitted to hospital. Serum treatment was given in every case, dosage varying with the severity. The patients were put on full diet, whenever they could take it, some from the first or second day, and were allowed up in the second week and discharged from the seventeenth day onwards. Those who did not consult a private doctor after discharge from hospital, attended a weekly clinic. As the cases had been admitted from homes where no isolation or nursing was available, it might have been expected that the number of return cases would be high, but from the figures given in the following tables, it will be seen that no increase did occur.



110 cases were discharged under this arrangement, and 37 of these developed some complication, but in no case was this of a serious nature. All recovered completely, and none of these 37 cases gave rise to a second case in the home.

The children discharged early were kept off school for the usual period of six weeks.

We were surrounded on all sides of the borough with an epidemic of Scarlet Fever, and the measures adopted permitted the hospital to be used to the best advantage without prejudice, as far as could be seen, to the health of the Borough.

Details of the work at the Isolation Hospital are given in the following tables.

ISOLATION HOSPITAL, 1934.

	No. in Hospital on 31-12-33	Admitted during 1934	Discharged during 1934	Died	In Hospital on 31-12-34
SCARLET FEVER ... ..	24	301	290	3	43
Scarlet Fever and Measles ...		2			
Scarlet Fever and Diphtheria ...		9			
DIPHTHERIA ... ..	11	87	90	10	4
Diphtheria and Measles ...		1			
Diphtheria and Scarlet Fever ...		5			
OTHER DISEASES ... ..	8	...	23		1
Typhoid Fever ... ..		5	...	(TB 1)	...
Erysipelas ... ..		6			
Chicken Pox and Measles ...		1			
Chicken Pox and Scarlet Fever ...		1			
Chicken Pox ... ..		2			
C.S. Meningitis ... ..		1		2	
Encephalitis Lethargica ...		1			
Measles ... ..		2			
TOTAL ... ..	43	424	403	16	48

Total patient days—12,544.

West Hartlepool cases	...	10,936
Cases from other areas	...	1,608
Shortest stay —Scarlet Fever	...	6 days.
Diphtheria	...	8 days.
Erysipelas	...	11 days.
Typhoid Fever	...	37 days.
Other cases	...	3 days.

Longest stay	—Scarlet Fever	...	...	103 days.
	Diphtheria	...	...	78 days.
	Erysipelas	...	...	44 days.
	Typhoid Fever	...	...	50 days.

Patients' ages—		Youngest.	Oldest.
Scarlet Fever	...	3 months	44 years.
Diphtheria	...	20 months	35 years.
Erysipelas	...	27 years	59 years.
Typhoid Fever	...	2½ years	39 years.

“Return” Cases after discharge of patients from Isolation Hospital—  
4 (Scarlet Fever).

The following are particulars of complications which occurred in the cases treated in the Isolation Hospital:—

#### SCARLET FEVER CASES.

Discharging ears	...	...	22
Enlarged glands	...	...	4
Septic glands	...	...	4

Total ... 30

#### DIPHTHERIA CASES.

Heart affection	...	...	6
Nasal paralysis	...	...	12
Impetigo	...	...	3

Total ... 21

The following are particulars of change of diagnosis:—

- 1 Typhoid changed to Tubercular peritonitis.
- 1 Diphtheria changed to Measles.
- 1 Diphtheria changed to Scarlet Fever.
- 2 Scarlet Fever changed to Diphtheria.
- 2 Diphtheria changed to Tonsilitis.

#### MAINTENANCE COSTS:—

	£	s.	d.
Total cost per patient day, including loan charges	...	0	9 3
Cost per patient week, maintenance only	...	1	14 11
Cost per staff week, maintenance only	...	3	15 6

## SCARLET FEVER CASES.

110 cases were discharged after short period of treatment in the Isolation Hospital.

97 of these attended the Clinic.

3 of the above were referred to the Ear, Nose and Throat Specialist for treatment, and 10 were also attended by their own doctors.

12 were attended by their own doctors.

1 case removed from the district.

None were sent back to hospital.

## COMPLICATIONS.

Complications occurred in 37 cases—

Glands:	Enlarged glands	...	...	6
Ears:	Earache and otorrhoea	...	...	2
	Slight deafness	...	...	1
	Otorrhoea	...	...	4
Nose:	Discharge (and discharge from			
	mastoid	...	...	1
	Slight discharge	...	...	1
	Slight sore	...	...	2
	Nasal obstruction			
	(tonsils removed)	...	...	1
Throat:	Sore (tonsils to be removed)	...	...	2
	Tonsilitis	...	...	1
Impetigo:	of face	...	...	4
	of head	...	...	1
Urine:	Albumen present	...	...	1
	Albumen present (slight trace)	...	...	3
	Phosphates present	...	...	2
Mouth and lips	septic	...	...	1
Thumb	septic	...	...	1
Weakness of legs		...	...	2
Chorea		...	...	1
				—
				37
				—

## VACCINATION STATISTICS.

Births registered	...	...	...	1397
Successfully vaccinated	...	...	...	788
Conscientious objectors	...	...	...	400
Died unvaccinated	...	...	...	59
Insusceptible	...	...	...	7

Postponed by medical certificate	...	...	18
Removed to other districts	...	...	10
Lost sight of	...	...	21
Still under notice	...	...	96

Percentage of unvaccinated children for the past ten years:—

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
15·6%	16·3%	16·5%	17·8%	20·7%	21·4%	23·3%	39·4%	43·7%	43·6%

APPENDIX 1.

BIRTHS.

	West Hartle- pool.	WARDS								Inward Transfers.	Outward Transfers.
		North	West	Park	S. West	S. East	Central	N. East	Seaton		
Estimated ... population	71550	10480	7782	8724	10737	9287	10624	8058	5858	...	...
No. of Births	1357	160	128	109	250	193	264	146	148	20	61
Birth Rates	18·96	15·2	16·4	12·5	23·3	20·8	24·8	18·1	25·4	...	...
Percentage of total births	...	11·8	9·4	8·0	18·4	14·2	19·5	10·7	10·9	+1·5	−4·5

BIRTH RATES.

YEAR.	West Hartlepool		England & Wales Birth Rate
	No. of Births	Birth Rate	
1925	1599	22·3	18·3
1926	1587	22·3	17·8
1927	1441	20·1	16·7
1928	1509	21·6	16·7
1929	1455	20·9	16·3
1930	1528	22·0	16·3
1931	1422	20·7	15·8
1932	1415	20·3	15·3
1933	1298	18·3	14·4
1934	1357	18·9	14·8

APPENDIX 2. NATURAL INCREASE OF POPULATION.

The natural increase of population was 406.

RATES OF NATURAL INCREASE, PER 1,000 POPULATION.

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
8.9	10.6	5.2	8.8	5.2	10.1	6.5	8.2	5.7	6.8



## APPENDIX 3—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARDS							Trans- ferable deaths	Total
	North	West	Park	So. West	So. East	Central	N. East		
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...
Smallpox ... ..	...	...	...	...	...	...	...	...	...
Measles ... ..	3	...	...	...	...	1	1	1	6
Scarlet Fever ... ..	1	...	1	...	1	...	...	...	3
Whooping Cough ... ..	...	...	...	...	...	1	...	...	1
Diphtheria ... ..	2	...	...	3	1	3	...	...	9
Influenza ... ..	2	3	1	2	...	...	...	...	8
Encephalitis Lethargica ...	1	...	...	...	...	...	...	...	1
Meningococcal Meningitis ...	...	...	2	1	1	...	...	...	4
Tuberculosis of Respiratory System ... ..	7	6	...	3	7	15	7	2	48
Other tuberculous diseases ...	1	2	1	2	6	5	1	1	19
Cancer ... ..	21	19	14	16	10	11	11	11	119
Diabetes ... ..	2	1	3	2	1	...	1	1	11
Heart Disease ... ..	22	16	24	20	15	27	18	18	164
Bronchitis ... ..	7	5	3	8	2	9	7	3	44
Pneumonia (all forms) ...	7	5	5	8	18	24	7	7	85
Other respiratory diseases...	2	3	1	1	...	...	...	...	7
Ulcer of stomach or duodenum ... ..	...	1	1	2	...	...	1	...	5
Diarrhoea, etc. ... ..	1	...	...	2	1	2	2	1	9
Appendicitis and Typhlitis ...	...	...	...	...	...	1	...	...	2
Cirrhosis of Liver ... ..	1	1	...	...	...	...	...	...	2
Acute and Chronic Nephritis ...	3	1	4	2	3	5	2	4	26
Puerperal Sepsis ... ..	...	...	...	...	...	1	...	1	3
Other accidents and Dis- eases of parturition and pregnancy ... ..	...	...	...	...	1	1	1	1	5
Congenital debility and mal- formation, including pre- mature births ... ..	3	5	1	1	6	13	10	2	41
Suicide ... ..	1	...	...	...	...	...	...	...	2
Other deaths from violence ...	...	2	2	4	1	7	...	2	22
Other defined diseases ...	26	21	29	22	29	37	23	22	224
Causes ill-defined or unknown ... ..	...	...	...	...	...	1	...	1	2
TOTAL DEATHS ...	113	91	92	99	103	164	92	78	873





## APPENDIX 4—TABLE SHOWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Deaths at the subjoined ages of "Residents" whether occurring within or without the Borough.										Total deaths whether of "Residents" or "Non-residents" in Institutions in the District	Increase or Decrease as compared with 1933.
	ALL AGES	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and under 75	75 and upwards		
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	—1
Smallpox ... ..	...	...	...	...	...	...	...	...	...	...	...	Same
Measles ... ..	6	2	1	2	1	...	...	...	...	...	3	—9
Scarlet Fever ... ..	3	...	1	...	1	...	1	...	...	...	2	+3
Whooping Cough ... ..	1	...	1	...	...	...	...	...	...	...	1	—2
Diphtheria ... ..	9	...	...	...	9	...	...	...	...	...	9	—6
Influenza ... ..	8	...	...	...	2	...	1	2	1	2	...	—28
Encephalitis Lethargica ... ..	1	...	...	...	...	...	...	1	...	...	...	Same
Meningococcal meningitis ... ..	4	...	...	...	2	...	1	1	...	...	2	Same
Tuberculosis of respiratory system ... ..	48	...	...	1	3	9	22	12	1	...	14	—1
Other tuberculous diseases	19	1	2	2	5	5	3	1	...	...	7	+3
Cancer, malignant disease ... ..	119	...	...	...	...	...	8	52	38	21	38	+22
Syphilis ... ..	3	2	...	...	...	...	1	...	...	...	3	+3
Diabetes ... ..	11	...	...	...	...	...	3	4	4	...	5	—2
Cerebral haemorrhage, etc.	55	...	...	...	...	...	1	20	24	10	16	—6
Heart disease ... ..	164	...	...	...	1	4	6	51	58	44	35	+7
Bronchitis ... ..	44	11	2	1	...	...	2	10	8	10	9	—7
Pneumonia (all forms) ... ..	85	19	18	5	9	...	3	16	11	4	23	+25
Other respiratory diseases	7	...	...	...	...	...	...	3	2	2	1	—6
Ulcer of stomach or duodenum ... ..	5	...	...	...	...	...	2	3	...	...	2	—1
Diarrhoea, etc. ... ..	9	6	1	1	...	...	...	1	...	...	1	—7
Appendicitis and Typhlitis	3	...	...	...	...	...	...	2	1	...	3	—1
Cirrhosis of Liver ... ..	2	...	...	...	...	...	...	...	2	...	...	+1
Acute and Chronic Nephritis ... ..	26	...	2	...	...	...	2	7	12	3	9	+7
Puerperal Sepsis ... ..	3	...	...	...	...	1	2	...	...	...	3	+2
Other accidents and diseases of parturition and pregnancy ... ..	5	...	...	...	...	1	4	...	...	...	4	+3
Congenital debility and malformation, including premature birth ... ..	41	39	...	...	1	...	...	1	...	...	9	—14
Suicide ... ..	2	...	...	...	...	...	1	1	...	...	2	—7
Other deaths from violence	22	1	...	1	1	5	2	6	3	3	9	—7
Other defined diseases ... ..	166	11	2	2	10	4	22	30	37	48	55	+13
Causes ill-defined or unknown ... ..	2	...	1	...	...	...	...	1	...	...	2	—3
TOTAL DEATHS ... ..	873	92	31	15	45	29	87	225	202	147	267	19





## APPENDIX 5.

## WEEKLY RETURN OF DEATHS FROM CHEST DISEASES.

Week ending :

Disease	6th Jan.	13th Jan.	20th Jan.	27th Jan.	3rd Feb.	10th Feb.	17th Feb.	24th Feb.	3rd Mar.	10th Mar.	17th Mar.	24th Mar.	31st Mar.	7th Apl.	14th Apl.	21st Apl.	28th Apl.	5th May	11th Nov.	19th May	26th May	2nd June	9th June	16th June	23rd June	30th June
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Influenza	...	1	...	...	...	...	...	...	...	3	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	2	1	...	1	1	...	...	2	...	2	3	1	1	3	...	...	1	2	...	...	...	1	1	...	...	1
Bronchitis	3	4	1	2	1	2	3	1	1	1	1	2	1	1	...	1	...	3	...	...	1	...	1	...	1	...
Pneumonia	4	2	2	1	...	3	2	2	3	5	2	7	2	3	1	2	2	2	1	4	1	1	...	1	...	...
Heart Disease	5	2	2	3	6	4	2	7	3	9	2	9	3	5	7	3	3	2	3	...	3	3	1	2	1	3
Other respiratory diseases	3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
Totals	17	10	5	7	8	9	7	12	7	21	8	21	7	13	8	7	6	9	4	4	5	5	4	4	2	4

Week ending :

Disease.	7th July	14th July	21st July	28th July	4th Aug.	11th Aug.	18th Aug.	25th Aug.	1st Sept.	8th Sept.	15th Sept.	22nd Sept.	29th Sept.	6th Oct.	13th Oct.	20th Oct.	27th Oct.	3rd Nov.	10th Nov.	17th Nov.	24th Nov.	31st Dec.	1st Dec.	8th Dec.	15th Dec.	22nd Dec.	Tota
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	8
Phthisis ...	1	...	...	...	3	1	...	3	2	...	...	2	1	...	1	...	1	1	2	...	2	1	1	1	1	1	48
Bronchitis...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	1	2	...	3	1	1	...	...	1	...	1	44
Pneumonia	...	1	1	1	2	...	1	1	...	...	...	2	2	2	1	1	1	1	4	1	1	...	5	...	1	3	85
Heart Disease	3	1	4	1	2	3	6	3	1	5	1	2	3	1	1	5	1	1	4	2	2	2	5	2	5	5	164
Other respiratory Diseases	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Totals	4	2	5	2	8	5	7	7	3	6	1	6	6	3	4	7	5	3	13	5	6	3	11	4	7	10	357



**APPENDIX 6.—DEATHS.**

	West Hartle- pool.	WARDS.								Transferable Deaths.
		North.	West.	Park.	S. West.	S. East.	Central.	N. East.	Seaton.	
Estimated population	71550	10480	7782	8724	10737	9287	10624	8058	5858	...
No. of Deaths	873	113	91	92	99	103	164	92	78	41
Crude death rates ...	12.2	10.8	11.7	10.5	9.2	11.1	15.4	11.4	13.3	...
Percentage of total deaths	...	13.0	10.4	10.5	11.3	11.8	18.8	10.5	9.0	4.7

**DEATH RATES.**

Year	West Hartlepool		England and Wales Death rate
	No. of deaths	Death rate	
1925	960	13.4	12.2
1926	833	11.7	11.6
1927	1070	14.9	12.3
1928	893	12.7	11.7
1929	1089	15.6	13.4
1930	824	11.8	11.4
1931	973	14.2	12.3
1932	844	12.0	12.0
1933	892	12.6	12.0
1934	873	12.2	11.8

**APPENDIX 7.—TRANSFERABLE DEATHS.**

INSTITUTION.							MALES	FEMALES	TOTAL
Hartlepoons Hospital, Hartlepool	...	...	...	...	...	...	7	10	17
County Mental Hospital, Morpeth	...	...	...	...	...	...	1	...	1
York County Asylum	...	...	...	...	...	...	1	2	3
Royal Victoria Infirmary, Newcastle-on-Tyne	...	...	...	...	...	...	4	3	7
Other Areas	...	...	...	...	...	...	5	8	13
Totals							18	23	41



APPENDIX 8.  
CANCER DEATHS.

Year	No. of deaths	Males	Females	Death rate	Deaths from all causes	Percentage of total deaths
1925	97	47	50	1.3	960	10.1
1926	69	34	35	.97	833	8.2
1927	90	39	51	1.26	1070	8.4
1928	92	45	47	1.3	893	10.3
1929	104	48	56	1.48	1089	9.5
1930	95	39	56	1.3	824	11.5
1931	88	41	47	1.28	973	9.1
1932	102	62	40	1.46	844	12.1
1933	97	51	46	1.38	892	10.8
1934	119	62	57	1.66	873	13.6

APPENDIX 9.  
CANCER DEATHS—PARTS OF BODY AFFECTED.

Parts affected	Age Sex	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		Over 75		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum ...	...	...	...	...	...	3	...	3	1	2	2	2	2	10	5
Stomach, Liver, etc.	...	...	...	2	1	1	3	5	3	6	4	1	4	15	15
Reproductive Organs	...	...	...	...	1	...	4	1	4	1	1	...	...	2	10
Breast ...	...	...	...	1	2	...	...	...	4	1	2	...	...	2	8
Other Glands ...	...	...	...	...	...	1	...	1	...	2	...	...	...	4	...
Mouth ...	...	...	...	...	...	...	...	3	...	7	...	5	...	15	...
Bones ...	...	...	...	...	1	...	2	1	4	3	5	2	2	6	14
Other Parts ...	...	...	...	...	...	2	...	3	3	2	...	1	2	8	5
Totals ...	...	...	...	3	5	7	9	17	19	24	14	11	10	62	57

The deaths were ascribed to :—

	No. of Deaths.
Carcinoma ...	79
Sarcoma ...	8
Epithelioma ...	6
Cancer (no classification)	26
Total ...	119

**APPENDIX 10.—INFANTILE MORTALITY RATES.**

Year.	West Hartlepool			England & Wales Rate
	Births	Deaths	Rate	
1925	1599	163	101	75
1926	1587	118	74	70
1927	1441	142	98	69
1928	1509	109	71	65
1929	1455	166	114	74
1930	1528	83	54	60
1931	1422	136	96	66
1932	1415	126	89	65
1933	1298	99	76	64
1934	1357	92	67	59

**APPENDIX 11.—INFANT MORTALITY IN THE WARDS.**

DISEASE.	North	West	Park	S. West	S. East	Central.	N. East	Sea- ton	ferable Trans-	Total
Bronchitis ... ..	1	2	...	1	2	3	2	...	...	11
Pneumonia ... ..	1	...	2	2	4	8	...	2	...	19
Debility ... ..	...	1	...	...	3	4	3	...	...	11
Marasmus ... ..	...	...	...	...	1	1	2	...	...	4
Premature Births ... ..	2	3	1	1	2	6	4	1	...	20
Convulsions ... ..	...	...	...	...	...	1	...	...	...	1
Diarrhoea and Enteritis ... ..	...	...	...	2	1	1	2	...	...	6
All other causes ... ..	3	1	1	3	3	3	2	2	2	20
Totals ... ..	7	7	4	9	16	27	15	5	2	92

**APPENDIX 12. MARRIAGES.**

Year	Number of marriages		Marriage rate
1925 ...	539	...	15·05
1926 ...	632	...	17·7
1927 ...	563	...	15·7
1928 ...	562	...	16·1
1929 ...	644	...	18·6
1930 ...	639	...	18·5
1931 ...	573	...	16·8
1932 ...	659	...	18·8
1933 ...	673	...	19·0
1934 ...	701	...	19·3

# **APPENDIX 13.—INFANTILE MORTALITY DURING THE YEAR.**

Deaths from stated causes at various ages under one year of age.

CAUSE OF DEATH.	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total deaths under 1 year
Bronchitis ...	...	...	2	3	5	3	2	1	...	11
Pneumonia ...	1	...	...	...	1	2	6	4	6	19
Malformations ...	...	1	...	...	1	...	...	...	...	1
Debility ...	7	...	1	1	9	2	...	...	...	11
Marasmus ...	...	...	...	1	1	2	1	...	...	4
Premature Birth ...	15	1	1	2	19	...	1	...	...	20
Convulsions ...	1	...	...	...	1	...	...	...	...	1
Diarrhoea and Enteritis ...	...	1	...	...	1	3	1	1	...	6
Heart Disease ...	1	...	...	...	1	...	...	...	...	1
Violence ...	...	...	...	...	...	...	1	...	...	1
All other causes ...	3	3	2	2	10	...	3	1	3	17
Totals ...	28	6	6	9	49	12	15	7	9	92
All Cases { Certified Uncertified	26	6	6	9	47	11	13	7	9	87
	2	...	...	...	2	1	2	...	...	5



**APPENDIX 14.**

Midwives Act, 1902.

**MIDWIVES ON ROLL, 1934.**

No. on Midwives Roll	Date of Certificate	Name.	Address.
69173	29th April, 1926	Miss A. M. Andrews,	Grantully Maternity Home.
53585	13th April, 1931	Mrs. D. Barlow,	8 Jesmond Road.
56187	11th February, 1922	Mrs. I. Batey,	24 Bright Street.
63246	24th June, 1924	Miss Ada Boyd,	Grantully Maternity Home.
48706	10th May, 1919	Mrs. Jane A. Coward,	10 Millbank Crescent, Hartlepool.
89686	26th May, 1934	Miss E. Chapman,	Howbeck Infirmary.
39605	21st February, 1914	Mrs. M. G. Craven,	4 Kendal Road.
46773	9th February, 1918	Miss M. J. L. Crone,	Howbeck Infirmary.
75078	23rd February, 1929	Miss E. H. Davies,	Howbeck Infirmary.
79519	22nd November, 1930	Miss A. Forster,	Grantully Maternity Home.
46066	11th August, 1917	Miss H. M. Granger,	"Amalinda," Windermere Road.
79587	22nd November, 1930	Miss B. Hawkins,	Grantully Maternity Home.
85234	9th December, 1932	Miss F. Hendry,	Grantully Maternity Home.
72784	25th February, 1928	Mrs. H. E. Hutchinson,	9 Southburn Terr.
67862	12th December, 1925	Mrs. O. Kay,	6 Temperance Street.
63984	9th August, 1924	Miss E. King,	6 Flaxton Street.
39053	1st November, 1913	Miss M. Leng,	Howbeck Infirmary.
64019	9th August, 1924	Mrs. M. Massey,	14 Whitby Street.
63519	14th June, 1924	Mrs. M. A. Mitchell,	21 Harwood Street.
69658	14th August, 1926	Mrs. C. F. Montgomerie,	41 Collingwood Rd
41864	20th February, 1915	Miss A. Nixon,	Private Hospital, Eldon Grove.

\*Acted in emergency.

No. on Midwives Roll.	Date of Certificate	Name.	Address.
70171	16th December, 1926	Miss M. Peart,	191 Alma Street.
67935	12th December, 1925	Mrs. B. Phillips,	233 York Road.
74766	24th November, 1928	Mrs. W. Pickering,	13 Brenda Road.
74779	24th November, 1928	Miss A. A. Richmond,	Howbeck Infirmary.
34761	28th October, 1911	Mrs. A. E. Skeen,	7 Fountain Terrace.
77357	23rd November, 1929	Mrs. E. Varcare,	Grantully Maternity Home.
84188	28th May, 1932	Miss D. Waddington,	Howbeck Infirmary.
Scotland			
5581	21st August, 1933	} Miss J. Wight, Grantully Maternity Home.	
England			
77429	6th January, 1930		
58166	9th August, 1922	Miss G. M. Wilkinson,	Grantully Maternity Home.

APPENDIX 15.

PUBLIC ABATTOIR.

Animals Slaughtered at Abattoir.

YEAR	BEASTS	SHEEP	CALVES	PIGS	TOTAL
1925	3340	8665	331	7694	20030
1926	3245	9302	277	5237	18061
1927	3333	10984	305	5917	20539
1928	3518	11028	452	7636	22634
1929	3670	9919	481	7089	21159
1930	3719	9925	425	5520	19589
1931	3463	9454	318	6469	19704
1932	3609	12352	297	9324	25582
1933	4465	14219	419	9458	28561
1934	4581	13556	728	8772	27637

**APPENDIX 16.****TUBERCULOSIS IN ANIMALS.**

Slaughtered at Abattoir.

Animal.				Number totally condemned		Number partially condemned	
Cows	...	...	...	...	42	...	119
Heifers and	Bullocks	...	...	...	3	...	39
Pigs	...	...	...	...	25	...	78
				—		—	
Totals				...	70		236
				—		—	

**APPENDIX 17.****CARCASES DESTROYED FOR DISEASES OTHER THAN TUBERCULOSIS.**

BEEF		MUTTON		PORK	
Disease	No.	Disease	No	Disease	No .
Insufficiently bled	1	Found dead	1	Septic Mammitis	1
Emaciation	1	Inflammation	1	Peritonitis	1
		Insufficiently Bled	2	Nephritis	1
		Peritonitis	2	Fevered Flesh	3
		Pyæmia	1	Septicaemia	6
		Emaciation	2		
		Fevered Flesh	2		
Total	...	Total	...	Total	...
	2		11		12



**APPENDIX 18.**ORGANS AND PARTS OF CARCASSES DESTROYED FOR DISEASES OTHER THAN  
TUBERCULOSIS.

Diseases					Part of carcase	Part of carcase & all offal	Part of carcase & part of offal	Livers	Lungs
Flukes	...	...	...	...	...	...	...	819	...
Cysts	...	...	...	...	...	...	...	238	24
Inflammation	...	...	...	...	...	...	6	2	3
Abscesses	...	...	...	...	...	3	3	22	1
Pleurisy	...	...	...	...	2	...	3	...	1
Nephritis	...	...	...	...	...	...	1	...	...
Peritonitis	...	...	...	...	...	...	1	...	...
Bruised Flesh	...	...	...	...	2	...	...	...	...
Actinomycosis	...	...	...	...	1	...	...	...	...
Totals	...	...	...	...	5	3	14	1081	29

**APPENDIX 19.**

## FOOD SURRENDERED AND DESTROYED.

13—6 lb. tins of Corned Beef.

# APPENDIX 20.

## SALE OF FOOD AND DRUGS ACTS—ADULTERATED SAMPLES—ACTION TAKEN.

Article Purchased	Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulter- ated.	No. of Sample	Nature of Adulteration	Remarks and Action Taken
Milk ... ..	78	77	1	62	16	1208	Below Standard in Fat ... ..	Proceedings instituted—Ven- dor fined £2 and costs.
	...	...	...	...	...	1212	Below Standard in Fat ... ..	"Course of Delivery" Sample taken.
	...	...	...	...	...	1224	Slightly below standard in Fat ... ..	Vendor cautioned.
	...	...	...	...	...	1233	Below Standard in Fat ... ..	Proceedings instituted—Ven- dor fined £1 and costs
	...	...	...	...	...	1241	do. ... ..	Vendor cautioned.
	...	...	...	...	...	1251	do. ... ..	"Course of Delivery" Samples taken.
	...	...	...	...	...	1257	do. ... ..	
	...	...	...	...	...	1258	do. ... ..	Proceedings instituted against Farmer. Case dismissed.
	...	...	...	...	...	1259	do. ... ..	
	...	...	...	...	...	1264	do. ... ..	Proceedings instituted—Ven- dor fined £1.
	...	...	...	...	...	1279	do. ... ..	"Course of Delivery" Samples taken.
	...	...	...	...	...	1281	do. ... ..	do.
	...	...	...	...	...	1286	do. ... ..	Further samples taken from retailer and farmer.
	...	...	...	...	...	1287	do. ... ..	do.
	...	...	...	...	...	1292	Slightly below standard in Non-fatty Solids ... ..	No action taken.
	...	...	...	...	...	1307	Below Standard in Fat ... ..	Vendor cautioned.
Curds ... ..	1	...	1	1	...	...	...	...
Butter ... ..	9	2	7	8	1	1195	Contains excess of water ... ..	No action taken.
Margarine ... ..	1	...	1	1	...	...	...	...
Lard ... ..	4	...	4	4	...	...	...	...
Cream Ice ... ..	1	...	1	1	...	...	...	...
Tinned Cream ... ..	1	...	1	1	...	...	...	...
Lemon Curd ... ..	2	...	2	2	...	...	...	...
Jam ... ..	3	...	3	3	...	...	...	...
Tea ... ..	3	...	3	3	...	...	...	...
Cocoa ... ..	1	...	1	1	...	...	...	...
Chocolate ... ..	1	...	1	1	...	...	...	...
Rum essence ... ..	1	...	1	1	...	...	...	...
Rum and Coffee essence ... ..	1	...	1	1	...	...	...	...
Coffee ... ..	1	...	1	1	...	...	...	...
Dried Apricots ... ..	1	...	1	1	...	...	...	...
Mixed Peel ... ..	1	...	1	1	...	...	...	...
Preserved Ginger ... ..	1	...	1	1	...	...	...	...
Baking Powder ... ..	3	...	3	3	...	...	...	...
Custard Powder ... ..	1	...	1	1	...	...	...	...
Pepper ... ..	1	...	1	1	...	...	...	...
Beef Suet ... ..	1	...	1	1	...	...	...	...
Dripping ... ..	1	...	1	1	...	...	...	...
Peas—Dried ... ..	2	...	2	2	...	...	...	...
Tinned ... ..	1	...	1	1	...	...	...	...
Ground Almonds ... ..	4	...	4	4	...	...	...	...
Sausage ... ..	8	2	6	8	...	...	...	...
Tomato Paste ... ..	1	...	1	1	...	...	...	...
Ham and Tomato Paste ... ..	1	...	1	1	...	...	...	...
Potted Meat ... ..	1	...	1	1	...	...	...	...
Olive Oil ... ..	1	...	1	1	...	...	...	...
Camphorated Oil ... ..	3	...	3	3	...	...	...	...
Gregory Powder ... ..	1	...	1	1	...	...	...	...
Ammonia Tincture of Quinine ... ..	1	...	1	1	...	...	...	...
Rum ... ..	3	3	...	3	...	...	...	...
Whisky ... ..	2	2	...	1	1	1326	35.28 Degrees Under Proof ... ..	Vendor cautioned.
Brandy ... ..	2	2	...	2	...	...	...	...
Gin ... ..	2	2	...	2	...	...	...	...





# APPENDIX 21.

NOTIFIED CASES OF INFECTIOUS DISEASES, 1914—1934.

Disease	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Smallpox	...	...	...	...	...	...	...	...	...	...	...	35	11	4	1	...	...	...	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	...	...	252 <sup>a</sup>	117 <sup>b</sup>	394	674	339	78 <sup>d</sup>	...	...	...	...
Scarlet Fever...	146	78	61	32	117	506	213	142	96	167	327	254	242	138	136	95	130	164	91	189	467
Diphtheria (including Membranous Croup)	29	43	37	25	32	31	55	39	20	37	43	41	52	97	108	140	160	48	21	73	100
Erysipelas	44	35	18	23	31	30	23	19	20	18	27	27	26	19	31	31	42	28	20	28	49
Enteric Fever	16	11	9	1	7	4	5	8	3	5	8	2	...	4	1	39	25	17	2	29	4
Puerperal Fever	3	1	4	4	4	7	8	6	10	9	5	5	3	3	4	4	1	1	2	3	2
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	...	...	11	17	19	10	11	7	12	9	8
Cerebro-Spinal Meningitis	1	...	6	3	3	7	2	1	...	...	...	1	...	...	...	...	...	2	11	10	4
Poliomyelitis	...	...	...	...	...	2	1	...	2	3	...	...	...	...	1	2	...	...	1	2	...
Pulmonary Tuberculosis	112	127	104	134	175	118	91	130	104	100	82	89	104	113	99	81	105	100	83	84	74
Other Forms of Tuberculosis	85	79	103	117	87	51	77	64	65	64	47	70	97	68	83	81	73	67	88	61	50
Ophthalmia Neonatorum	25	21	42	35	41	49	62	28	39	24	19	14	22	11	22	17	10	14	15	7	16
Measles	...	...	39	1694	1835	308	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	2	...	...	...	...	5	1	2	2	1	3	2	1	2	1	1
Polioencephalitis	...	...	...	...	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Dysentery	...	...	...	...	...	3	2	...	...	1	...	...	...	...	1	1	...	...	...	...	...
Malaria	...	...	...	...	...	45	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Pneumonia	...	...	...	...	...	117	156	115	133	110	257	219	88	319	268	302	181	218	155	137	131
Acute Encephalitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...
Totals	461	396	423	2068	2332	1282	701	552	492	538	820	1005	775	1189	1450	1145	818	668	504	635	907

*a*—Notifiable for 6 months of year.

*b*—Notifiable from 29/9/26.

*c*—No longer notifiable.

*d*—Notifiable for 3 months of year.

## APPENDIX 22.

NOTIFIABLE DISEASES DURING THE YEAR  
HOSPITAL TREATMENT.

DISEASE						Total cases notified	No. of such cases treated in Hospital	Total deaths
Scarlet Fever	...	...	...	...	...	467	252	3
Diphtheria	...	...	...	...	...	100	87	9
Enteric Fever	...	...	...	...	...	4	4	...
Puerperal Fever	...	...	...	...	...	2	2	2
Puerperal Pyrexia	...	...	...	...	...	8	5	...
Cerebro-spinal Fever	...	...	...	...	...	4	2	4
Ophthalmia Neonatorum	...	...	...	...	...	16	5	...
Pneumonia	...	...	...	...	...	131	12	85
Erysipelas	...	...	...	...	...	49	7	...
Encephalitis Lethargica	...	...	...	...	...	1	1	1
Malaria	...	...	...	...	...	1	...	...

DISEASE	HOSPITAL				Total
	Isolation Hospital	Cameron Hospital	Howbeck Infirmary	Grantully Maternity Home	
Scarlet Fever	252	2(e)	8(f)	...	252
Diphtheria	87	...	1(d)	...	87
Enteric Fever	4	...	...	...	4
Puerperal Fever	...	...	2	...	2
Puerperal Pyrexia	...	...	5	1(a)	5
Cerebro-Spinal Fever	1	...	2(c)	...	2
Ophthalmia Neonatorum	...	...	5	...	5
Pneumonia	...	3	9	...	12
Erysipelas	4	1(b)	3	...	7
Encephalitis Lethargica	1	...	...	...	1

DISEASE	Cases			Vision un-impaired	Vision impaired	Total blind-ness	Deaths
	Notified	Treated					
		home At home	Hospital				
Ophthalmia Neonatorum	16	11	5	16	—	—	—

- (a) 1 case transferred from Grantully Maternity Home to Howbeck Infirmary.  
 (b) 1 case transferred from Cameron Hospital to Isolation Hospital.  
 (c) 1 case transferred from Howbeck Infirmary to Isolation Hospital.  
 (d) 1 case transferred from Howbeck Infirmary to Isolation Hospital.  
 (e) 2 cases transferred from Cameron Hospital to Isolation Hospital.  
 (f) 8 cases transferred from Howbeck Infirmary to Isolation Hospital.

# APPENDIX 23.

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES—NOTIFIED CASES, 1934.

DISEASE.	Cases notified in whole district													Ward distribution of cases.							No. of cases treated in hospital	Total deaths in the Borough	
	At All ages	At age groups—years												N'th	West	Park	S West	S East	Central	N East			Sea-ton
		Un-der 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and up										
Scarlet Fever	467	2	8	16	35	26	231	98	18	28	5	...	...	53	66	30	54	44	55	252	...		
Diphtheria ...	100	...	1	3	5	6	41	25	4	13	1	...	...	3	10	16	12	7	21	87	...		
Enteric Fever	4	...	...	1	...	...	1	1	...	...	1	...	...	1	...	1	...	2	...	4	...		
Puerperal Fever	2	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	1	2	...		
Puerperal Pyrexia	8	...	...	...	...	...	...	...	...	7	1	...	...	1	...	2	2	...	...	5	...		
Cerebro-Spinal Fever	4	...	...	...	...	...	1	...	...	...	2	...	...	1	...	2	...	...	...	2	...		
Ophthalmia Neonatorum	16	16	...	...	...	...	...	...	...	...	...	...	...	...	2	2	3	2	...	5	...		
Pneumonia	131	4	14	2	7	5	24	8	6	11	12	24	14	...	16	33	19	8	13	12	...		
Erysipelas ...	49	1	1	...	...	...	...	...	3	7	8	24	5	8	8	6	3	3	3	7	...		
Encephalitis Lethargica	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	1	...		
Malaria	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...		
Pulmonary Tuberculosis	74	...	...	...	1	1	1	6	3	38	12	9	3	2	4	9	27	10	2	...	...		
Non-pulmonary Tuberculosis	50	1	3	3	2	1	13	9	10	5	1	2	...	2	5	7	13	9	5	...	19		
Totals	907	24	27	25	50	39	312	148	44	111	43	62	22	82	112	109	134	86	100	...	...		



# APPENDIX 24.

## ALL NOTIFIED CASES OF TUBERCULOSIS, 1934.

AGE	Lungs			Abdomen			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 year	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 and under 2	...	...	...	1	...	1	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
2—3	...	...	...	1	1	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2
3—4	1	...	1	1	2	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
4—5	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
5—10	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	...	2
10—15	3	3	6	2	4	6	...	2	2	1	1	2	...	2	...	...	...	...	...	...	...	5	9	14
15—20	1	2	3	2	1	3	...	3	3	1	1	2	...	...	...	...	1	1	...	...	...	6	9	15
20—25	10	10	20	2	1	3	...	...	4	1	...	1	2	...	...	...	1	2	...	...	...	7	6	13
25—35	9	9	18	2	...	2	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	10	11	21
35—45	6	6	12	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	13	9	22
45—55	3	5	8	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	6	7	13
55—65	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	6	9
Over 65	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	...	2
Totals	38	36	74	10	13	23	1	7	8	3	2	5	4	2	6	3	3	6	1	1	2	60	64	124

APPENDIX 25.

TUBERCULOSIS—New Cases and Mortality during 1934.

AGE PERIODS				NEW CASES				DEATHS			
				Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
				M	F	M	F	M	F	M	F
0				...	...	...	1	...	...	...	1
1	year	...	...	2	...	4	5	1	...	2	2
5	years	...	...	1	...	4	9	1	...	...	2
10	„	...	...	3	3	3	6	...	2	...	3
15	„	...	...	1	2	6	4	1	2	2	2
20	„	...	...	10	10	...	1	3	4	...	1
25	„	...	...	9	9	4	...	4	5	1	1
35	„	...	...	6	6	...	1	6	7	...	1
45	„	...	...	3	5	...	1	6	3	...	...
55	„	...	...	1	...	1	...	1	1	1	...
65	„ and upwards	...	...	2	1	...	...	1	...	...	...
Totals				38	36	22	28	24	24	6	13

APPENDIX 26.

TUBERCULOSIS—Number of cases on the Register on 31st December, 1934.

PULMONARY			NON PULMONARY			TOTAL CASES
Males	Females	Total	Males	Females	Total	
172	172	346	107	94	201	547

## APPENDIX 27.

### DEATHS FROM TUBERCULOSIS.

Interval between Notification and Death.

Period	PARTS AFFECTED					TOTAL
	Lungs	Bones	Meninges	Abdominal	General	
Not notified ...	3	...	1	2	1	7
0—1 week ...	3	...	6	2	1	12
1—4 weeks ...	5	...	1	...	...	6
1—3 months ...	10	...	...	1	...	11
3—6 months ...	5	...	...	...	...	5
6—12 months ...	6	2	...	1	...	9
1—2 years ...	9	...	...	...	...	9
2—5 years ...	5	...	...	1	...	6
Over 5 years ...	2	...	...	...	...	2
Totals ...	48	2	8	7	2	67



# APPENDIX 28.

BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING 1934.

	Rate per 1,000 total population		Annual Death Rate per 1,000 Population.									Rate per 1,000 Live Births		Percentage of Total Deaths			
	Live Births	Still-Births	All causes	Enteric Fever	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under 2 years)	Total Deaths under 1 year	Certified by Registered Medical Practitioners	Inquest cases	Certified by Coroner after P.M. no inquest	Uncertified causes of death
England and Wales ...	14.8	0.62	11.8	0.00	0.00	0.09	0.02	0.05	0.10	0.14	0.54	5.5	59	90.4	6.5	2.1	1.0
121 County Boroughs and Great Towns, including London ...	14.7	0.66	11.8	0.00	0.00	0.12	0.02	0.06	0.11	0.12	0.47	7.4	63	90.5	6.1	2.9	0.5
126 Smaller Towns (estimated resident populations 25,000—50,000 Census 1931) ...	15.0	0.67	11.3	0.00	...	0.07	0.02	0.04	0.09	0.14	0.42	3.6	53	91.2	6.1	1.6	1.1
London ...	13.2	0.50	11.9	0.00	0.00	0.20	0.02	0.07	0.11	0.12	0.56	12.6	67	87.7	6.3	6.0	0.0
West Hartlepool ...	18.9	0.76	13.54	0.00	0.00	0.08	0.04	0.01	0.12	0.11	0.33	5.1	67	92.7	3.1	1.9	2.3
			Crude 12.2														

Annual Report of the Medical Officer of Health for the year 1934,  
for the County Borough of West Hartlepool on the administration of the  
Factory and Workshop Act, 1901, in connection with

## FACTORIES, WORKSHOPS AND WORKPLACES.

### 1.—Inspection of Factories, Workshops and Workplaces.

*Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.*

Premises. [1]	Number of		
	Inspections (2)	Written notices (3)	Prosecutions (4)
<b>Factories</b> ... .. Including Factory Laundries	25	10	...
<b>Workshops</b> ... .. Including Workshop Laundries	120	15	...
<b>Workplaces</b> ... .. Other than Outworkers' Premises	13	3	...
Totals ... ..	158	28	...

### 2.—Defects found in Factories, Workshops and Workplaces.

PARTICULARS. [1]	Number of defects.			Number of offences in respect of which prose- cutions were instituted [5]
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of Cleanliness ... ..	9	9	...	...
Want of ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances ... ..	14	14	...	...
Sanitary accommodation { insufficient ... ..	1	1	...	...
{ unsuitable or defective ... ..	13	...	...	...
{ not separate for sexes ... ..	2	2	...	...
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground bakehouse (s. 101) ... ..	...	...	...	...
Other offences ... .. (Excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921)	3	...	3	...
Totals ... ..	42	39	3	...

\* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901 as remediable under the Public Health Acts.